

FIBER LASER

CL-1000-5-W

en | Data sheet | 1.0

- Specially developed for highly efficient laser cleaning and ablation
- 5 mJ pulse energy for efficient removal of paint, oxide layers and contaminants
- Variably adjustable pulse widths enable efficient and at the same time material friendly processing



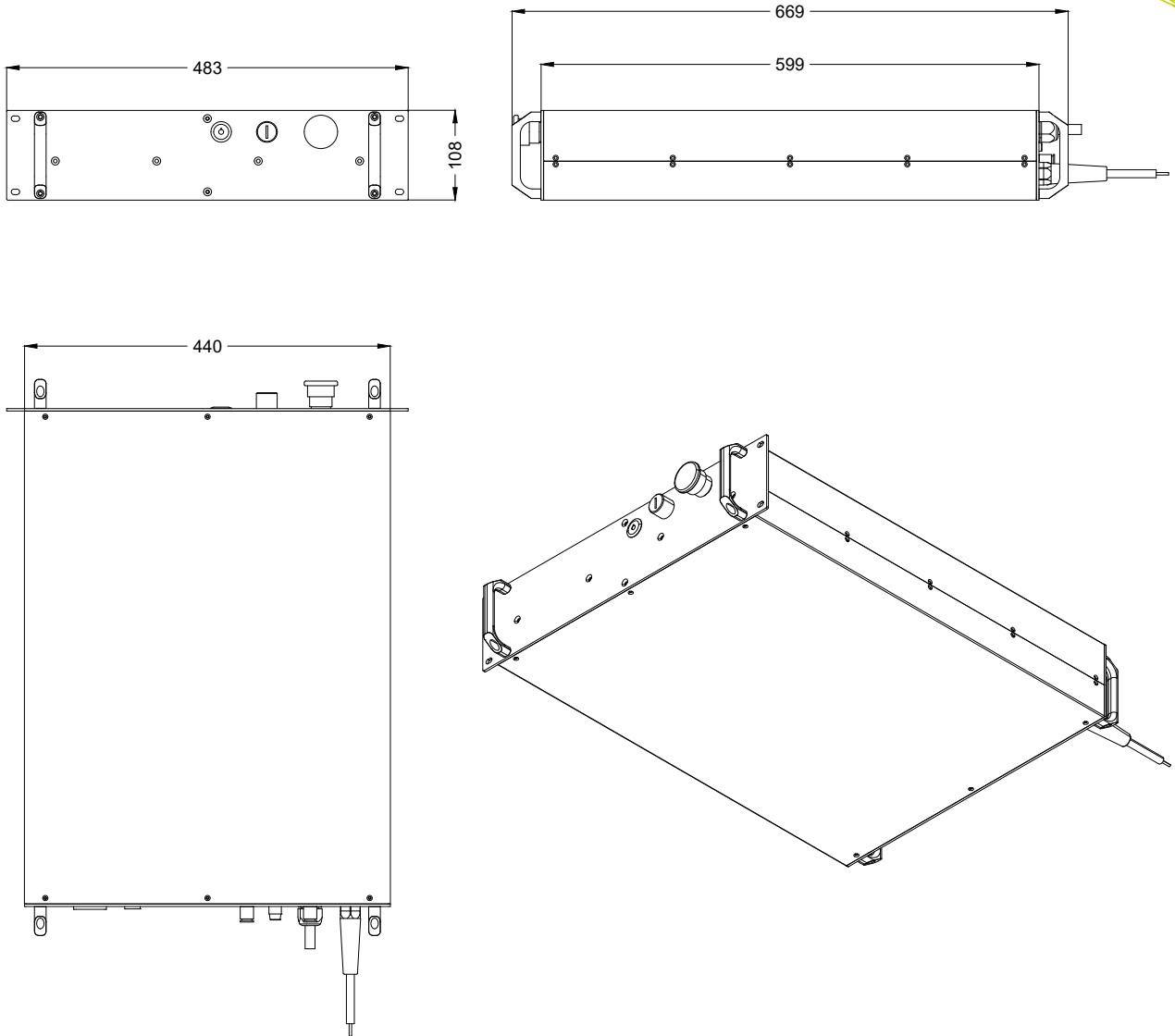
Wavelength	1064 nm
Nominal output power	1000 W
Laser operation mode	Pulsed
Beam parameter product (BPP)	1.7 mm*mrad
Pulse frequency	1 – 4000 kHz
Full power frequency	200 – 4000 kHz
Max. peak pulse power	18 kW
Pulse width	30 – 500 ns
Max. pulse energy	5 mJ @ 500 ns
Power instability Ø	5%
Power tuning range	0 – 100%
Polarization	Random
Anti-reflective coating	Standard
Beam diameter D4σ	QBH Output

Fiber length	10 m ^[1]
Cooling method	Water
Cooling flowrate	12 l/min
Cooling power	3 kW
Aiming beam	Standard
Adjustable pulse width	Yes
House keeping function	N/A
Supply voltage AC	220 V
Input current	18.2 A
Power consumption @ 20°C	4000 W
Operation temperature	10 – 40 °C
Storage temperature	-10 – 60 °C
Mechanical dimensions (W × D × H)	440 × 599 × 108 mm
Net weight	30 kg

Product customizations are possible on request.

^[1] Other available fiber lengths: 5 m / 20 m





Laser product
Class 4

JPT

Manufacturer

Fiber laser

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Dimensions are given in millimeters and are intended as reference values.
Binding information is available on request.

